



APPLICATION No.: 09/083,198
ATTORNEY DOCKET: 62698.000061

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Number : 09/083,198 Confirmation No.: 3687
Applicant : Venkataraman BRINGI, et al.
Filed : May 22, 1998
Title : ENHANCED PRODUCTION OF TAXOL AND TAXANES BY
CELL CULTURES OF TAXUS SPECIES
TC/Art Unit : 1651
Examiner: : Irene Marx

Docket No. : 62698.000061
Customer No. : 21967

MAIL STOP ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**RESUBMISSION OF SIXTH SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**

Sir:

During a telephone conversation held on June 25, 2007, Applicants' representative, Victoria Silcott, inquired as to whether Examiner Irene Marx could return of a copy (with the Examiner's initials in the left column in accordance with M.P.E.P. § 609) of Form PTO/SB/08A, which was submitted with the Sixth Supplemental Information Disclosure Statement ("IDS") filed with the U.S. Patent and Trademark Office ("USPTO") on August 9, 2004 in the above-captioned application. Examiner Marx stated that the USPTO did not have a record of the August 9, 2004 IDS and requested Applicants to resubmit the IDS. Therefore, Applicants submit herewith a copy of the August 9, 2004 IDS and the date-stamped postcard indicating receipt of the documents in the USPTO.

Although a copy of the references, except U.S. patents and U.S. patent application publications, were submitted on August 9, 2004, Applicants resubmit a copy of the references for the Examiner's convenience. In considering the cited references, it may be noted by the Examiner that certain of the references may contain markings, underlinings, and/or other notations. These markings, underlinings, and/or other notations are not to be construed as drawing the Examiner's attention either to selected parts or away from other parts of the cited

references. Any such markings were either present on the copies of the cited references obtained by the associated individuals, or were made thereon during the study of the references by the associated individuals.

Consideration of the foregoing plus the prompt return of a copy of the enclosed Form PTO/SB/08B with the Examiner's initials in the left column in accordance with M.P.E.P. § 609 are respectfully requested.

The IDS filed on August 9, 2004 included a check in the amount of \$180.00 in accordance with 37 C.F. R. § 1.17(p). Therefore it is believed that no additional fees are necessary for consideration of this Information. However, in the event that the USPTO determines that additional fees are necessary, the Commissioner is hereby authorized to charge any such fees to the undersigned's Deposit Account No. 50-0206.

Respectfully submitted,

HUNTON & WILLIAMS LLP

Dated: June 26, 2007

By: 

Laurence H. Posorske
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Appl. No.: 09/083,198
Atty. Docket: 62698.000061

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Venkataraman BRINGI et al.

Appl. No.: 09/083,198

Filed: May 22, 1998

For: ENHANCED PRODUCTION OF TAXOL
AND TAXANES BY CELL CULTURES
OF TAXUS SPECIES

Art Unit: 1651

Examiner: I. MARX

SIXTH SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §§ 1.97, and 1.98, and in compliance with the duty of disclosure set forth in 37 C.F.R. § 1.56, Applicants are submitting herewith copies of references listed on the attached Form PTO-1449 for consideration and to be made of record herein by the U.S. Patent and Trademark Office in the above-captioned application.

Applicants respectfully point out that the submission of the listed documents in this Information Disclosure Statement is not an admission that they are prior art or that they are material to patentability of any claims of the application. Also, the submission of this Information Disclosure Statement is not an indication that a search has been made.

Applicants respectfully request that the Examiner consider the references cited on the Form PTO-1449 and that the Examiner indicate that the references have been considered in this application by returning a copy of the Form PTO-1449 with the Examiner's initials in the left

column per MPEP 609.

This Information Disclosure Statement is being submitted after the mailing of a non-final Office Action, but is believed to be prior to a final Office Action or a Notice of Allowance. Pursuant to 37 C.F.R. § 1.97(c)(2), a check in the amount of \$180.00 as set forth in §1.17(p) is enclosed. In the event any variance exists between the amount enclosed and Patent Office charges, please charge or credit the undersigned's Deposit Account No. 50-0206.

Respectfully submitted,

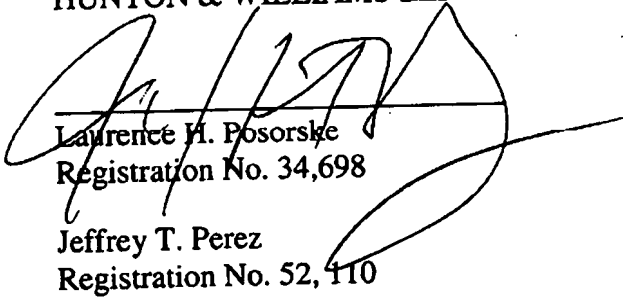
HUNTON & WILLIAMS LLP

Date:

Aug 9, 2004

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JUN 26 2007

PTO/SB/08A (10/01) (modified)

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

| | |
|------------------------|------------------|
| Application Number | 09/083,198 |
| Filing Date | May 22, 1998 |
| First Named Inventor | V. BRINGI et al. |
| Art Unit | 1651 |
| Examiner Name | I. MARX |
| Attorney Docket Number | 62698.000061 |

| | | | |
|-------|---|----|---|
| Sheet | 1 | of | 9 |
|-------|---|----|---|

U.S. PATENT DOCUMENTS

| *Examiner Initials | Cite No. | DOCUMENT NUMBER Number - Kind Code (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|----------|--|--------------------------------|--|---|
| | 1. | US- 5,322,779 | 06/21/1994 | Strobel, G., et al. | |
| | 2. | US- 5,445,809 | 08/29/1995 | Strobel, G., et al. | |
| | 3. | US- 5,451,392 | 09/19/1995 | Strobel, G., et al. | |
| | 4. | US- 5,527,702 | 06/18/1996 | Cino, P., et al. | |
| | 5. | US- 5,547,866 | 08/20/1996 | Durzan, D., et al. | |
| | 6. | US- 5,620,875 | 04/15/1997 | Hoffman, A., et al. | |
| | 7. | US- 5,665,576 | 09/09/1997 | Cino, P., et al. | |
| | 8. | US- 5,670,663 | 09/23/1997 | Durzan, D., et al. | |
| | 9. | US- 5,850,032 | 12/15/1998 | Wann, S., et al. | |
| | 10. | US- 5,861,302 | 01/19/1999 | Stierle, A., et al. | |
| | 11. | US- 5,916,783 | 06/01/1999 | Stierle, A., et al. | |
| | 12. | US- 5,908,759 | 06/29/1999 | Stierle, A., et al. | |
| | 13. | US- 5,968,789 | 10/19/1999 | Yukimune, Y., et al. | |
| | 14. | US- 6,013,493 | 01/11/2000 | Stierle, A., et al. | |

FOREIGN PATENT DOCUMENTS

| *Examiner Initial | Cite No. | FOREIGN PATENT DOCUMENT | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | TRANSLATION | |
|-------------------|----------|-------------------------|-------------------------------|--------------------------------|--|---|--------------------------|--------------------------|
| | | Country Code: | Number - Kind Code (if known) | | | | YES | NO |
| | 15. | WO | 89/06687 | 07/27/1989 | Fiedler, F., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 16. | EP | 325,933 | 08/02/1989 | Fiedler, F., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 17. | EP | 378, 921 A2 | 07/25/1990 | Crawford, D., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 18. | WO | 92/18492 | 10/29/1992 | Elschly, H. et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 19. | EP | 529,083 | 03/03/1993 | Saito, K., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 20. | EP | 555,485 | 08/18/1993 | Saito, K., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 21. | WO | 93/17121 | 09/02/1993 | Bringi, V., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |

EXAMINER SIGNATURE

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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First Named Inventor V. BRINGI et al.
Art Unit 1651
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Sheet 2 of 9

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|-------------------|----------|--|--------------------------------|--|---|
| | 22. | US- 6,030,818 | 02/29/2000 | Page, M., et al. | |
| | 23. | US- 6,069,009 | 05/30/2000 | Pepin, M., et al. | |
| | 24. | US- 6,248,572 B1 | 06/19/2001 | Choi, H., et al. | |
| | 25. | US- 2002/0012976 A1 | 01/31/2002 | Yukimune, Y., et al. | |
| | 26. | US- 6,365,407 | 04/02/2002 | Kulkarni, A, et al. | |
| | 27. | US- 6,403,343 B2 | 06/11/2002 | Yukimune, Y., et al. | |
| | 28. | US- 6,428,989 | 08/06/2002 | Yukimune, Y., et al. | |
| | 29. | US- 6,465,221 B1 | 10/15/2002 | Yukimune, Y., et al. | |

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|------------------|----------|-------------------------|----------------------------------|--------------------------------|--|---|--------------------------|--------------------------|
| | | Country Code: | Number - Kind Code (if known) | | | | YES | NO |
| | 30. | JP | 5,244,971 A2 | 09/24/1993 | Furanku, D., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 31. | WO | 93/19585 | 10/14/1993 | Wann, S., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 32. | EP | 568,821 A1 | 11/10/1993 | Cino, P., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 33. | EP | 568,821 B1 | 11/10/1993 | Cino, P., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 34. | WO | 93/23555 | 11/25/1993 | Arteca, R., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 35. | JP | 5,336,985 A2 | 12/21/1993 | Furanku, D., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 36. | JP | 6181785 A2 | 07/05/1994 | Tabata, H., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 37. | JP | 6,292,588 A2 | 10/21/1994 | Yukimune, T. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 38. | JP | 6,296,493 A2 | 10/25/1994 | Ohashi, H., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 39. | WO | 95/02063 | 01/19/1995 | Lee, B., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 40. | CA | 2,153,986 | 05/26/1995 | Yukimune, Y., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 41. | JP | 7,135,967 A2 | 05/30/1995 | Yukimune, T., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |

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| Art Unit | 1651 |
| Examiner Name | I. MARX |
| Attorney Docket Number | 62698.000061 |

Sheet 3 of 9

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| | | Country Code: | Number - Kind Code (if known) | | | | YES | NO |
| | 42. | EP | 672, 162 B1 | 09/20/1995 | Bringi, V., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 43. | JP | 7255495 A2 | 10/09/1995 | Seki, M., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 44. | JP | 7,308,196 A2 | 11/28/1995 | Yukimune, T., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 45. | JP | 7,308,197 A2 | 11/28/1995 | Yukimune, T., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 46. | JP | 8,009,983 A2 | 01/16/1996 | Azuma, Y., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 47. | WO | 96/02656 A1 | 02/01/1996 | Durzan, D., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 48. | JP | 8,033,490 A2 | 02/06/1996 | Yukimune, T., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 49. | JP | 8,056,681 A2 | 03/05/1996 | Azuma, Y., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 50. | JP | 8070880 A2 | 03/19/1996 | Tachibana, A., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 51. | JP | 8,116,981 A2 | 05/14/1996 | Azuma, Y., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 52. | JP | 8,140,690 A2 | 06/04/1996 | Yukimune, T., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 53. | JP | 8,149,984 A2 | 06/11/1996 | Matsubara, K., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 54. | JP | 8,154,693 A2 | 06/08/1996 | Hara, Y., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 55. | JP | 8,154,694 A2 | 06/18/1996 | Matsubara, K. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 56. | JP | 8,163,991 A2 | 06/25/1996 | Yukimune, T., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 57. | JP | 8205881 A2 | 08/13/1996 | Suga, C., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 58. | JP | 8,205,882 A2 | 08/13/1996 | Yukimune, T., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 59. | JP | 8,298,993 A2 | 11/19/1996 | Takami, M., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

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of

9

Application Number

09/083,198

Filing Date

May 22, 1998

First Named Inventor

V. BRINGI et al.

Art Unit

1651

Examiner Name

I. MARX

Attorney Docket Number

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|------------------|----------|-------------------------|----------------------------------|--------------------------------|--|---|--------------------------|--------------------------|
| | | Country Code: | Number - Kind Code (if known) | | | | YES | NO |
| | 60. | JP | 9028392 A2 | 02/04/1997 | Tabata, H., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 61. | WO | 97/31100 | 08/28/1997 | Soon-shiong, P. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 62. | JP | 9,056,387 A2 | 03/04/1997 | Hara, Y., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 63. | EP | 769,064 B1 | 04/23/1997 | Choi, H., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 64. | EP | 774,010 B1 | 05/21/1997 | Hong, S., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 65. | WO | 97/30352 | 08/21/1997 | Durzan, D., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 66. | WO | 97/44476 | 11/27/1997 | Bringi, V., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 67. | JP | 10042888 A2 | 02/17/1998 | Tachibana, S., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 68. | JP | 10,052,294 A2 | 02/24/1998 | Morita, E., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 69. | JP | 10,052,295 A2 | 02/24/1998 | Morita, E., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 70. | JP | 10,052,296 A2 | 02/24/1998 | Morita, E., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 71. | EP | 830,059 B1 | 03/25/1998 | Kadkade, P., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 72. | WO | 98/37176 | 08/27/1998 | Pepin, M., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 73. | EP | 882,231 | 12/09/1998 | Durzan, D., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 74. | WO | 99/00513 | 01/07/1999 | Choi, H., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 75. | JP | 11,046,782 A2 | 02/23/1999 | Kodama, O., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 76. | WO | 99/32651 | 07/01/1999 | Page, M., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 77. | EP | 960,944 A1 | 12/01/1999 | Prince, C., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |

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STATEMENT BY APPLICANT**

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Filing Date May 22, 1998

First Named Inventor V. BRINGI et al.

Art Unit 1651

Examiner Name I. MARX

Attorney Docket Number 62698.000061

Sheet 5 of 9

FOREIGN PATENT DOCUMENTS

| *Examiner Initial | Cite No. | FOREIGN PATENT DOCUMENT | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | TRANSLATION | |
|----------------------|-------------|-------------------------|----------------------------------|--------------------------------|--|---|--------------------------|--------------------------|
| | | Country Code: | Number - Kind Code (if known) | | | | YES | NO |
| | 78. | JP | 11,332,590 A2 | 12/07/1999 | Yukimune, T., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 79. | JP | 2000106893 A2 | 04/18/2000 | Ando, M. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 80. | JP | 2000197497 A2 | 07/18/2000 | Choi, H., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 81. | EP | 1,054,065 A1 | 11/22/2000 | Yukimune, Y., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 82. | JP | 2000333691 A2 | 12/05/2000 | Yukimune, T., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 83. | EP | 1,063,3000 A2 | 12/27/2000 | Yukimune, Y., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 84. | WO | 01/73096 A1 | 10/04/2001 | Davies, J., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |
| | 85. | EP | 1,164,197 A1 | 12/19/2001 | Choi, H., et al. | | <input type="checkbox"/> | <input type="checkbox"/> |

OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS

| *Examiner Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | TRANSLATION | |
|-----------------------|-------------|--|--------------------------|--------------------------|
| | | | YES | NO |
| | 86. | Bednarek, J., 1992, In side pocket of 07/874,344 - Bednarek J. et al. Steroid 21-hydroxylase is a major autoantigen involved in adult onset autoimmune Addison's disease, Vol. 309, No. 1, pp 51-55 (1992). | <input type="checkbox"/> | <input type="checkbox"/> |
| | 87. | Berlin, 1986, From EP Opposition (47) - (D5) - Biotechnology in Agriculture and Forestry 4, Ed. Y.P.S. Bajaj; Springer Verlag pp 41-46 (1986). | <input type="checkbox"/> | <input type="checkbox"/> |
| | 88. | Beyer, 1976, "A Potent Inhibitor of Ethylene Action in Plants," <i>Plant Physiol.</i> 58:268-271 (1976). | <input type="checkbox"/> | <input type="checkbox"/> |
| | 89. | Blechert, et al., 1995, "The octadecanoic pathway: Signal molecules for the regulation of secondary pathways," <i>Proc. Natl. Acad. Sci. USA</i> vol. 92, pp. 4099-4105, May 1995 | <input type="checkbox"/> | <input type="checkbox"/> |
| | 90. | Bodnaryk, 1994, "Potent effect of jasmonates on indole glucosinolates in oilseed rape and mustard," <i>Phytochemistry</i> 35(2): 301-05 (1994). | <input type="checkbox"/> | <input type="checkbox"/> |
| | 91. | Bohlmann et al., 1991, "Thionins," <i>Annu. Rev. Plant. Physiol. Plant Mol. Biol.</i> 42:227-40 (1991). | <input type="checkbox"/> | <input type="checkbox"/> |

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Sheet **6** of **9**

OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS

| *Examiner Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | TRANSLATION | |
|-----------------------|-------------|--|--------------------------|--------------------------|
| | | | YES | NO |
| | 92. | Cassab et al., 1988, "Cell Wall Proteins," <i>Ann. Rev. Plant. Physiol. Plant Mol. Biol.</i> 39:321-53 (1988). | <input type="checkbox"/> | <input type="checkbox"/> |
| | 93. | Chi et al., 1989, "Ethylene Inhibitors Enhanced de novo shoot regeneration from cotyledons of <i>Brassica campestris ssp. chinensis</i> (chinese cabbage) in vitro," <i>Plant Science</i> 64:243-250 (1989). | <input type="checkbox"/> | <input type="checkbox"/> |
| | 94. | Chraïbi et al., 1991, "Stimulation of shoot regeneration from cotyledons of <i>Helianthus annuus</i> by the ethylene inhibitors, silver and cobalt," <i>Plant Cell Reports</i> 10:204-207 (1991). | <input type="checkbox"/> | <input type="checkbox"/> |
| | 95. | Cohen et al., 1993, "Local and Systemic Protection Against <i>Phytophthora infestans</i> Induced in Potato and Tomato Plants by Jasmonic Acid and Jasmonic Methyl Ester," <i>Phytopathology</i> 83:1054-62 (1993). | <input type="checkbox"/> | <input type="checkbox"/> |
| | 96. | Conconi, et al., 1996, "Intracellular Levels of Free Linolenic and Linoleic Acids Increase in Tomato Leaves in Response to Wounding," <i>Plant Physiol.</i> (1996) 111: 797-803 | <input type="checkbox"/> | <input type="checkbox"/> |
| | 97. | Creelman, et al., 1992, "Jasmonic acid/methyl jasmonate accumulate in wounded soybean hypocotyls and modulate wound gene expression," <i>Proc. Natl. Acad. Sci. USA</i> Vol. 89, pp. 4938-4941, June 1992 | <input type="checkbox"/> | <input type="checkbox"/> |
| | 98. | Dixon et al., 1994, "Early Events in the Activation of Plant Defense Responses," <i>Annu. Rev. Phytopathol.</i> 32:479-501 (1994). | <input type="checkbox"/> | <input type="checkbox"/> |
| | 99. | Doares, et al., , 1995., "Salicylic Acid Inhibits Synthesis of Proteinase Inhibitors in Tomato Leaves Induced by Systemin and Jasmonic Acid," <i>Plant Physiol.</i> (1995) 108: 1741-1746 | <input type="checkbox"/> | <input type="checkbox"/> |
| | 100. | Farmer, et al., 1994, "Diethylthiocarbamic Acid Inhibits the Octadecanoid Signaling Pathway for the Wound Induction of Proteinase Inhibitors in Tomato Leaves," <i>Plant Physiol.</i> (1994) 106: 337-342 | <input type="checkbox"/> | <input type="checkbox"/> |

EXAMINER SIGNATURE

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | | | | | | |
|--|---|--------------|---|-------------------------------|--|------------------|--|
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | | Substitute for form 1449A/PTO | | | |
| | | | | Application Number | | 09/083,198 | |
| | | | | Filing Date | | May 22, 1998 | |
| | | | | First Named Inventor | | V. BRINGI et al. | |
| | | | | Art Unit | | 1651 | |
| Examiner Name | | I. MARX | | | | | |
| Attorney Docket Number | | 62698.000061 | | | | | |
| Sheet | 7 | of | 9 | | | | |

OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS

| Examiner Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | TRANSLATION | |
|-------------------|----------|--|--------------------------|--------------------------|
| | | | YES | NO |
| | 101. | Gibson, et al., 1991, "Establishment of cell cultures of taxus brevifolia for taxol and ecdysone production," <i>Suppl. To Plant Physiology</i> 96(1):603 (1991). | <input type="checkbox"/> | <input type="checkbox"/> |
| | 102. | Glick, <i>Glossary of Biochemistry and Molecular Biology</i> , "Raven Press, New York. | <input type="checkbox"/> | <input type="checkbox"/> |
| | 103. | Halitschke et al., 2001, "Molecular Interactions between the Specialist Herbivore <i>Manduca Sexta</i> (Lepidoptera, Sphingidae) and its Natural Host <i>Nicotiana attenuata</i> . III. Fatty Acid-Amino Acid Conjugates in Herbivore Oral Secretions Are Necessary and Sufficient for Herbivore-Specific Plant Responses," <i>Plant Physiol.</i> 125:711-717 (Feb. 2001). | <input type="checkbox"/> | <input type="checkbox"/> |
| | 104. | Lau et al., 1976, "Inhibition of Ethylene Production by Cobaltous Ion," <i>Plant Physiol.</i> 58: 114-117 (1976). | <input type="checkbox"/> | <input type="checkbox"/> |
| | 105. | Li et al., 1994, From 07/874,344 Feb. 16, 1994 Response - for T. chinensis not similar to T. brevifolia/isolating taxanes from T. chinensis - Li et al., Three new diterpenoids from Taxus chinensis, <i>Chem. Pharm. Bull.</i> , 41(9) 1672-1673 (1993). | <input type="checkbox"/> | <input type="checkbox"/> |
| | 106. | Lieberman, 1979, "Biosynthesis and Action of Ethylene," <i>Ann. Rev. Plant. Physiol.</i> 30:533-91 (1979). | <input type="checkbox"/> | <input type="checkbox"/> |
| | 107. | Lightner, et al., 1993, "Isolation of signaling mutants of tomato (<i>Lycopersicon esculentum</i>)," <i>Mol. Gen. Genet.</i> (1993) 241:595-601 | <input type="checkbox"/> | <input type="checkbox"/> |
| | 108. | Mattiacci et al., 1995, "β-Glucosidase: An elicitor of herbivore-induced plant odor that attracts host-searching parasitic wasps," <i>Proc. Natl. Acad. Sci. USA</i> 92:2036-2040 (Mar. 1995). | <input type="checkbox"/> | <input type="checkbox"/> |
| | 109. | McGurl, et al., "Polypeptide signalling for plant defence genes," <i>Biochem. Soc. Symp.</i> 60, 149-154 | <input type="checkbox"/> | <input type="checkbox"/> |
| | 110. | Mohr, et al., "Biological Catalysis," <i>Plant Physiology</i> pp. 67, Springer. | <input type="checkbox"/> | <input type="checkbox"/> |
| | 111. | Moura, et al., 2001, "Wound-Inducible Proteinase Inhibitors in Pepper. Differential Regulation upon Wounding, Systemin, and Methyl Jasmonate," <i>Plant Physiology</i> , May 2001, Vol. 126, pp. 289-298 | <input type="checkbox"/> | <input type="checkbox"/> |

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Application Number

09/083,198

Filing Date

May 22, 1998

First Named Inventor

V. BRINGI et al.

Art Unit

1651

Examiner Name

I. MARX

Sheet

8

of

9

Attorney Docket Number

62698.000061

OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS

| Examiner Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | TRANSLATION | |
|----------------------|-------------|--|--------------------------|--------------------------|
| | | | YES | NO |
| | 112. | Narvaez-Vasquez, et al., 1994, "A Sulfhydryl Reagent Modulates Systemic Signaling for Wound-Induced and Systemin-Induced Proteinase Inhibitor Synthesis," <i>Plant Physiol.</i> (1994) 105: 725-730 | <input type="checkbox"/> | <input type="checkbox"/> |
| | 113. | Orozco-Cardenas, et al., 2001, "Hydrogen Peroxide Acts as a Second Messenger for the Induction of Defense Genes in Tomato Plants in Response to Wounding, Systemin, and Methyl Jasmonate," <i>The Plant Cell</i> , Vol. 13, 179-191, January 2001 | <input type="checkbox"/> | <input type="checkbox"/> |
| | 114. | Pena-Cortes, et al., 1993, "Aspirin prevents wound-induced gene expression in tomato leaves by blocking jasmonic acid biosynthesis." <i>Planta</i> (1993) 191:123-128 | <input type="checkbox"/> | <input type="checkbox"/> |
| | 115. | Piel et al., 1997, "Cullulysin from the plant parasitic fungus <i>Trichoderma viride</i> elicits volatile biosynthesis in higher plants via the octadecanoid signalling cascade," <i>FEBS Letters</i> 416:143-148 (1997). | <input type="checkbox"/> | <input type="checkbox"/> |
| | 116. | Purnhauser et al., 1986, "Stimulation of shoot regeneration in <i>Triticum aestivum</i> and <i>Nicotiana glauca</i> tissue cultures using the ethylene inhibitor AgNO ₃ ," <i>Plant Cell Reports</i> 6:1-4 (1987). | <input type="checkbox"/> | <input type="checkbox"/> |
| | 117. | Reid, 1987, "Plant Hormones and Their Role in Plant Growth and Development," 1987, pp. 260-261, 269-271. | <input type="checkbox"/> | <input type="checkbox"/> |
| | 118. | Roustan et al, 1989, "Stimulation of <i>Daucus carota</i> somatic embryogenesis by inhibitors of ethylene synthesis: cobalt and nickel," <i>Plant Cell Reports</i> 8:182-185 (1989). | <input type="checkbox"/> | <input type="checkbox"/> |
| | 119. | Ryan, 1992, "The search for the proteinase inhibitor-inducing factor, PIIF," <i>Plant Molecular Biology</i> 19: 123-133, 1992 | <input type="checkbox"/> | <input type="checkbox"/> |
| | 120. | Ryan, 2000, "The systemin signaling pathway: differential activation of plant defensive genes," <i>Biochimica et Biophysica Acta</i> 1477 (2000) 112-121 | <input type="checkbox"/> | <input type="checkbox"/> |
| | 121. | Ryan, et al., 1998, "Systemin: A Polypeptide Signal for Plant Defensive Genes," <i>Annu. Rev. Cell Dev. Biol.</i> 1998, 14:1-17 | <input type="checkbox"/> | <input type="checkbox"/> |
| | 122. | Sargent, 1996, "Re: Ethylene question," at http://plant-tc.coafes.umn.edu/listserv/1996/log9605/msg00116.html (posted June 1, 1996) (visited Jul. 17, 2003). | <input type="checkbox"/> | <input type="checkbox"/> |

EXAMINER SIGNATURE

DATE CONSIDERED

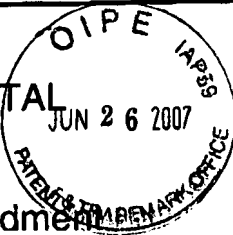
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| | | | | | | | | |
|--|---------------------|--|--------------------------|-----------------------------|-------------------------------|-------------------------|---------------------|--|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | | Application Number | | 09/083,198 | | |
| | | | | Filing Date | | May 22, 1998 | | |
| | | | | First Named Inventor | | V. BRINGI et al. | | |
| | | | | Art Unit | | 1651 | | |
| | | | | Examiner Name | | I. MARX | | |
| Sheet | | 9 | of | 9 | Attorney Docket Number | | 62698.000061 | |
| OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS | | | | | | | | |
| *Examiner Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | TRANSLATION | | | | | |
| | | | YES | NO | | | | |
| | 123. | Seibert and Kadkade, 1980, - from EP Opposition (47) - (D7) Seibert and Kadkade, Light. In "Plant Tissue Culture as a Source of Biochemicals" EJ Staba (ed) CRC Press, Boca Raton, Floride pp 123-141 (1980). | <input type="checkbox"/> | <input type="checkbox"/> | | | | |
| | 124. | Seabrook, 1980, from EP Opposition (47) - Plant Tissue Culture as s Source of Biochemicals, Ed. E. John Staba; CRC Press Inc 1980 pp 1-6. | <input type="checkbox"/> | <input type="checkbox"/> | | | | |
| | 125. | Songstad et al., 1988, "Effect of 1-aminocyclopropane-1-carboxylic acid, silver nitrate, and norbornadiene on plant regeneration from maize callus cultures," <i>Plant Cell Reports</i> 7:262-265 (1988). | <input type="checkbox"/> | <input type="checkbox"/> | | | | |
| | 126. | Staswick, 1992, "Jasmonate, Genes, and Fragrant Signals," <i>Plant Physiol.</i> (1992) 99, 804-807 | <input type="checkbox"/> | <input type="checkbox"/> | | | | |
| | 127. | Stenesh, Dictionary of Biochemistry and Molecular Biology, Wiley Interscience Publication | <input type="checkbox"/> | <input type="checkbox"/> | | | | |
| | 128. | Stratmann, et al., 2000, "UVB/UVA Radiation Activates a 48 kDa Myelin Basic Protein Kinase and Potentiates Wound Signaling in Tomato Leaves," <i>Photochemistry and Photobiology</i> , 2000, 71(2): 116-123 | <input type="checkbox"/> | <input type="checkbox"/> | | | | |
| | 129. | Vain et al., 1989, "Enhancement of production and regeneration of embryogenic type II callus in <i>Zea mays</i> L. by AgNO ₃ ," <i>Plant Cell, Tissue and Organ Culture</i> 18:143-151 (1989). | <input type="checkbox"/> | <input type="checkbox"/> | | | | |
| | 130. | Vasil, 1984, "Clonal Propagation: Adventitious Buds," <i>Cell Culture and Somatic Cell Genetics of Plants</i> , Vasil, I., ed., 1:53 (1984). | <input type="checkbox"/> | <input type="checkbox"/> | | | | |
| | 131. | Vick et al., 1984, "Biosynthesis of Jasmonic Acid by Several Plant Species," <i>Plant Physiol.</i> (1984) 75, 458-461 | <input type="checkbox"/> | <input type="checkbox"/> | | | | |
| | 132. | Vidensek, N. et al, 1994, From 07/874,344 Feb. 16, 1994 Response - for amount of dry weight Taxol from <i>T. brevifolia</i> - Vidensek, N. et al. Taxol content in bark, wood, root, leaf, twig and seedling from several <i>Taxus</i> species, <i>J. Nat. Prod.</i> 53(6), pp 1609-1610 (1990). | <input type="checkbox"/> | <input type="checkbox"/> | | | | |
| | 133. | Walling, 2000, "The Myriad Plant Responses to Herbivores," <i>J. Plant Growth Regul.</i> 19:195-216 (2000). | <input type="checkbox"/> | <input type="checkbox"/> | | | | |
| | 134. | Ward et al., 1999, "Structural requirements for biologically active jasmonates: Induction of protease inhibitors and coyledon senescence," <i>Plant Growth Regulation</i> 27:49-56 (1999). | <input type="checkbox"/> | <input type="checkbox"/> | | | | |
| | 135. | Yang et al., 1984, "Ethylene Biosynthesis and Its Regulation in Higher Plants," <i>Ann. Rev. Plant Physiol.</i> 35:155-89 (1984). | <input type="checkbox"/> | <input type="checkbox"/> | | | | |
| | 136. | Zhu, Wei Hua et al., <i>Chinese Medicine</i> , Vol 14, No. 9, (1991.9.) | <input type="checkbox"/> | <input type="checkbox"/> | | | | |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | | | | |
| EXAMINER SIGNATURE | | | | | DATE CONSIDERED | | | |
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FEE TRANSMITTAL

MAIL STOP Amendment



Complete If Known

| | |
|----------------------|------------------|
| Application No. | 09/083,198 |
| Filing Date | May 22, 1998 |
| First Named Inventor | V. BRINGI et al. |
| Examiner Name | I. MARX |
| Group Art Unit | 1651 |
| Attorney Docket No. | 62698.000061 |

Total Amount Of Payment (\$) 180

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner for Patents is hereby authorized to charge indicated fees and credit any over payments to **Deposit Account No. 50-0206** in the name of Hunton & Williams LLP.

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FEE CALCULATION

1. BASIC FILING ☐ Large Entity ☐ Small Entity FEE

FEE PAID

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| Utility Filing Fee | \$ |
| Design Filing Fee | \$ |
| Plant Filing Fee | \$ |
| Reissue Filing Fee | \$ |
| Provisional Filing Fee | \$ |

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| Fee Description | Fee Paid |
|---|----------|
| <input type="checkbox"/> Surcharge - late filing fee or oath | \$ |
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| <input type="checkbox"/> _____ Month Extension of Time | \$ |
| <input type="checkbox"/> Notice of Appeal | \$ |
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| <input type="checkbox"/> Request for Oral Hearing | \$ |
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| <input type="checkbox"/> Plant Issue Fee | \$ |
| <input type="checkbox"/> Petition to Commissioner | \$ |
| <input type="checkbox"/> Petition to Revive (Unavoidable) | \$ |
| <input type="checkbox"/> Petition to Revive (Unintentional) | \$ |
| <input type="checkbox"/> Petitions Related to Provisional Applications | \$ |
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| <input type="checkbox"/> Filing Submission After Final Rejection | \$ |
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| <input type="checkbox"/> Filing Request for Reexamination | \$ |
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2. EXTRA CLAIMS FEES

CLAIMS AS AMENDED

| For | Number Present | Highest Number Paid For | Extra | Rate | | Amount |
|---------------------------|----------------|-------------------------|-------|--------------|--------------|---------|
| | | | | Large Entity | Small Entity | |
| TOTAL CLAIMS | | 20 | 0 | x \$ 18.00 | x \$ 9.00 | \$ 0.00 |
| INDEPENDENT CLAIMS | | 3 | 0 | x \$ 86.00 | x \$ 43.00 | \$ 0.00 |
| MULTIPLE DEPENDENT CLAIMS | | | | \$ 290.00 | \$ 145.00 | \$ 0.00 |
| TOTAL EXTRA CLAIMS FEES | | | | | | \$ 0.00 |

SUBMITTED BY

Typed or Printed Name Jeffrey T. Perez

Signature

Complete (if applicable)

Registration No. 52,110

Date August 9, 2004



PATENT

☐ PROVISIONAL
☒ UTILITY

☐ DESIGN
☐ PCT

Application No.: 09/083,198

Date: August 8, 2004

Client/Matter No.: 62698.000061

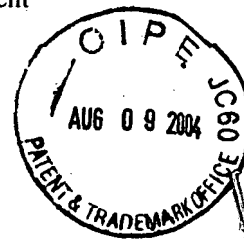
Client: Phyton, Inc.

Inventor(s): Venkataraman BRINGI, et al. Atty/Sec.: LHP:JTP/jt

Title: Enhanced Production of Taxol and Taxanes by Cell Cultures of Taxus Species

The following has been received in the U.S. Patent and Trademark Office on the date stamped hereon:

- ☒ Sixth Supplemental Information Disclosure Statement
- ☒ PTO/SB/08A form (9 pages listing 136 references)
- ☒ 136 references
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